DATE functions
Exercise

Table 1

```
SELECT  DATEADD (month, 6, hire date)
FROM    employees
```

emp-id	name	hire-date	hire-date_plus_6-months
1	Alice	2020-01-15	2020-07-15
2	Bob	2021-06-10	2021-12-10
3	Charlie	2023-03-22	2023-09-22

Table 2

```
SELECT  DATEDIFF (dob, today , 'D')
FROM    employees
```

student_id	name	age-in-days
101	Maya	7,369
102	Ethan	7621
103	Sienna	7155

Table 3 - Events

```
SELECT  DATEDIFF (days, event_date, 2025-10-11) As Days_remaining
FROM    events
```

event-id	event-name	days-remaining
1	Seminar	484
2	Workshop	42
3	Hackathon	254

Table 4

```
SELECT   DATEDIFF  ( D, issue-date, due-date)
FROM     invoices;
```

invoice_id	issue_date	due_date	days_between
501	2025-03-40	2025-03-25	15
502	2025-04-01	2025-04-15	14
503	2025-04-10	2025-04-20	10

Table 5

```
SELECT   TO_CHAR (start_date, 'Month YYYY')
From     courses;
```

course_id	name	formatted_date
201	SQL Basics	May 2025
202	Python	June 2025

Table 6 - Memberships

```
SELECT   DATE_FROM_PARTS ( start_year, start_month, start_day)
FROM     memberships
```

member_id	full_start_date
1	2023 - 05 - 10
2	2022 - 11 - 25

Table 7 - Subscriptions

```
SELECT   DATEADD (YEAR, 1, 'renewal_date')
FROM     subscriptions !
```

sub-id	plan	extended-renewal-date
11	Basic	2026 - 01 - 01
12	Premium	2026 - 03 - 15

Table 8 - Orders

```
SELECT   DATEDIFF (day, order_date, 2025-10-11) AS DaysSince_Order
FROM     orders
```

order_id	order-date	today-date	days_since_order
1001	2025-04-13	2025-10-11	179
1002	2025-04-10	2025-10-11	174

Table 9 - Trainings

```
SELECT  DATEPART ( YEAR, training-date)
FROM  Trainings ;
```

training-id	topic	training-year
1	Safety	2025
2	Compliance	2025

Table 10 - Blog-posts

```
SELECT  CURRENT-TIMESTAMP ( HH:MM, published-on)
FROM  Blog-posts
```

post-id	title	hour-published	minute-published
1	SQL Tips	10	45
2	Data cleaning	16	45

Table 11 - Drivers

```
SELECT  DATEDIFF ( Day, 2025-10-11, expiry-date)
FROM  Drivers ;
```

driver-id	license-expiry	days-left
301	2025-08-10	61
302	2023-12-31	650

Table 12 - Messages

```
SELECT  CURRENT-TIMESTAMP (seconds, sent-timestamp, 2025-10-11  12:3
FROM  messages ;
```

message-id	sent-timestamp	current-timestamp	seconds-since-sent
1	2025-04-19 07:32:45	2025-10-11 12:52:05	15 897 600
2	2025-04-18 23:59:59	2025-10-11 12:39:03	15 811 199

Table 13 - Returns

```
SELECT   DATEADD ( Days , 15 , return-date)
FROM  returns ;
```

return-id	return-date	restock-date
901	2025-04-05	2025-04-20
902	2025.04.01	2025-04-16

Table 14 - Assignments

```
SELECT  TO-DATE ( assigned_on , string)
FROM  Assignments ;
```

assign-id	assigned-on-date
1	01 March 2025
2	05 March 2025

Table 15 - Meetings

```
SELECT  TO-CHAR ( string, scheduled time)
FROM  Meetings ;
```

meeting-id	formatted-meeting-time
1	April 19, 2025 at 2:00 PM
2	April 19, 2025 at 09:30 AM